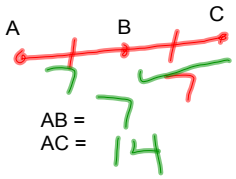
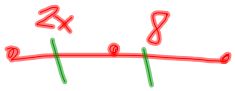
Ch 2 Test tomorrow
2.1 Midpoint and Bisector

$$M\left(\frac{x_1+x_2}{2}, \frac{y_1+y_2}{2}\right)$$

(3, 4)
(5, -2)

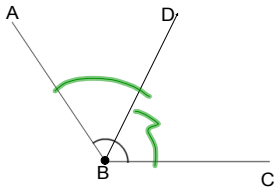
$M\left(\frac{3+5}{2}, \frac{4+-2}{2}\right)$
$(4, 1)$





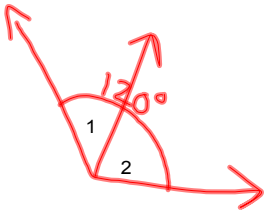
$2x = 8$
$x = 4$

2.2 Angle Bisector



$\overrightarrow{BD}$ bisects $\angle ABC$

$\angle ABD \cong \angle DBC$



$m\angle 1 = 60°$
$m\angle 2 = 60°$

2.3
Complementary

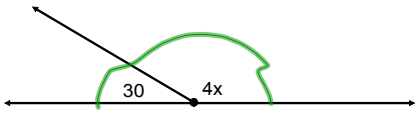
Supplementary

$m\angle A = 42$

Complement? $90 - 42 = 48°$

Supplement? $180 - 42 = 138°$

Linear Pair

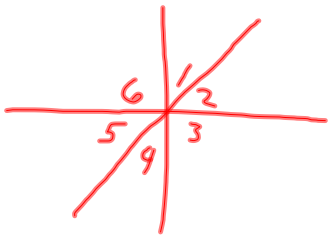


$4x + 30 = 180$

$4x = 150$

$x = 37.5$

2.4 Vertical Angles



2.5

If you study, then you will pass.

Hypothesis

Conclusion

Law of Syllogism

If A, then B.

If B, then C.

If A, then C.

Converse
If A, then B.

If B, then A.

Put into the if, then form.

2.6 Properties
Reflexive, Symmetric, Transitive, +, -, x, ÷, Substitution

Drawing Conclusions
204-2-6 worksheet

Review Worksheet

#25 RT = 5